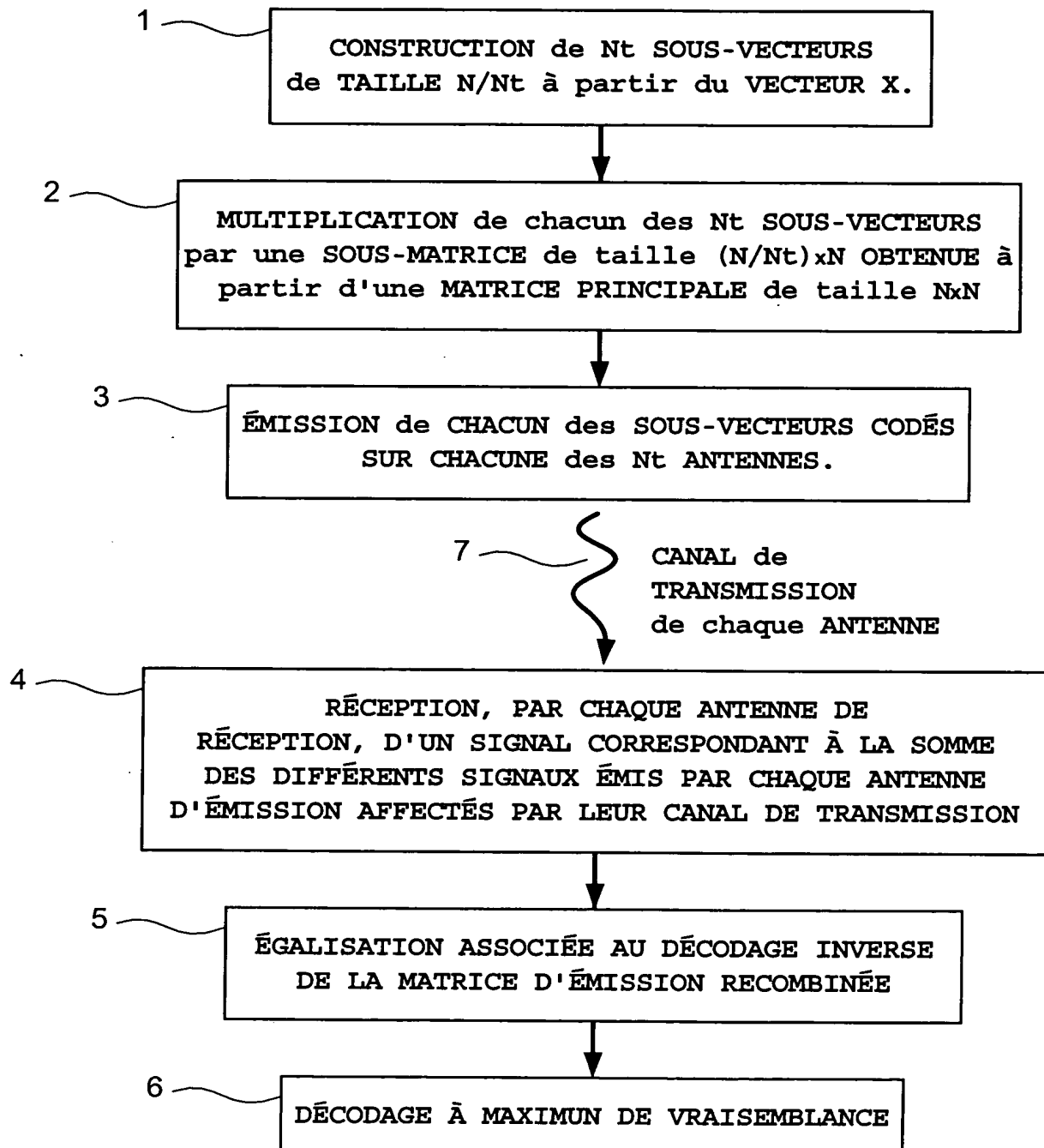


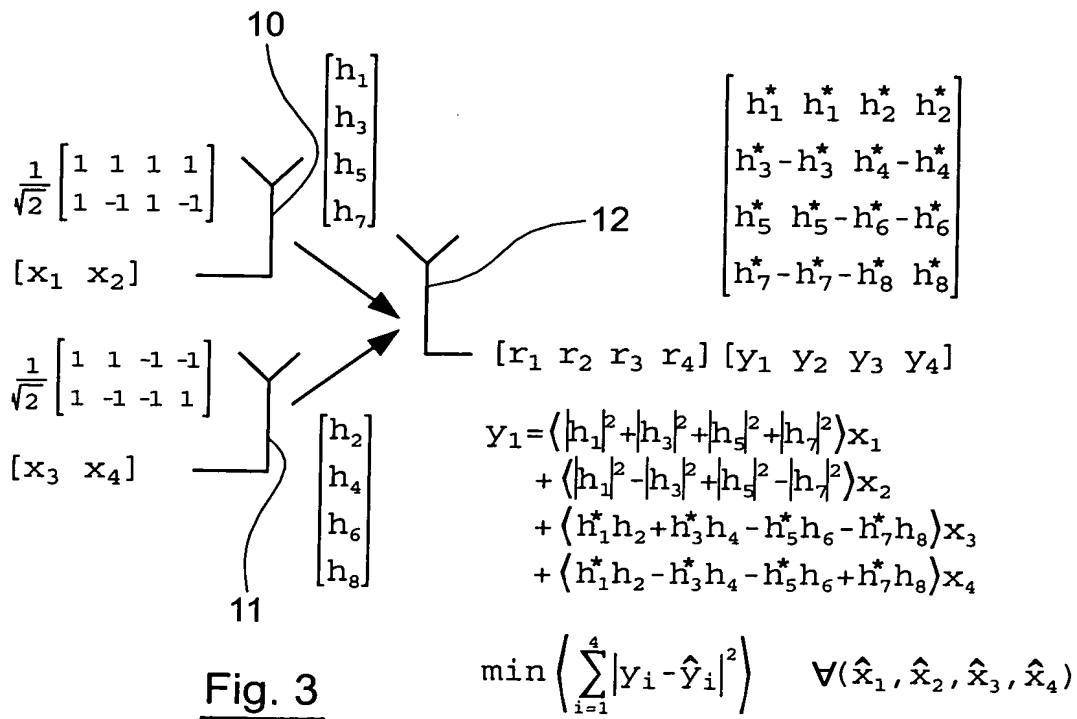
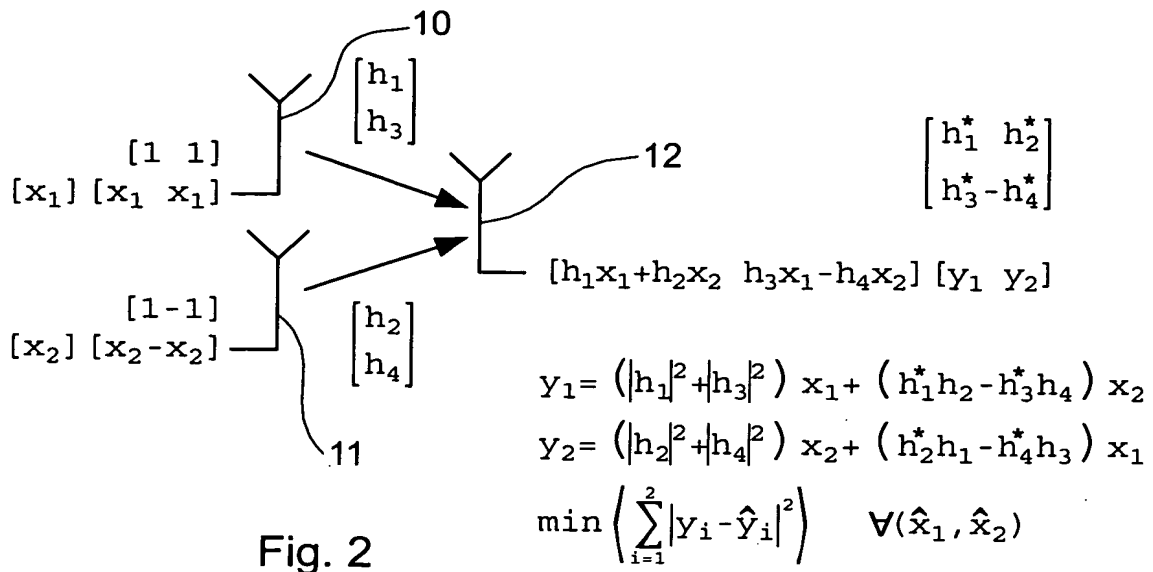
**Figure 1**

1. Building of  $N_t$  sub-vectors sized  $N/N_t$  from the vector  $X$
2. Multiplication of each of the  $N_t$  sub-vectors by a sub-matrix sized  $(N/N_t) \times N$  obtained from a main matrix sized  $N \times N$
- 5        3. Sending each of the encoded sub-vectors on each of the  $N_t$  antennas
4. Reception, by each reception antenna, of a signal corresponding to the sum of the different signals sent by each transmitter antenna affected by their transmission channel
5. Equalization associated with the inverse decoding of the recombined
- 10    transmission matrix
6. Maximum likelihood decoding
7. Transmission channel of each antenna
  
- Figures 5 et 6
- 15    TEB = BER

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Fig. 1

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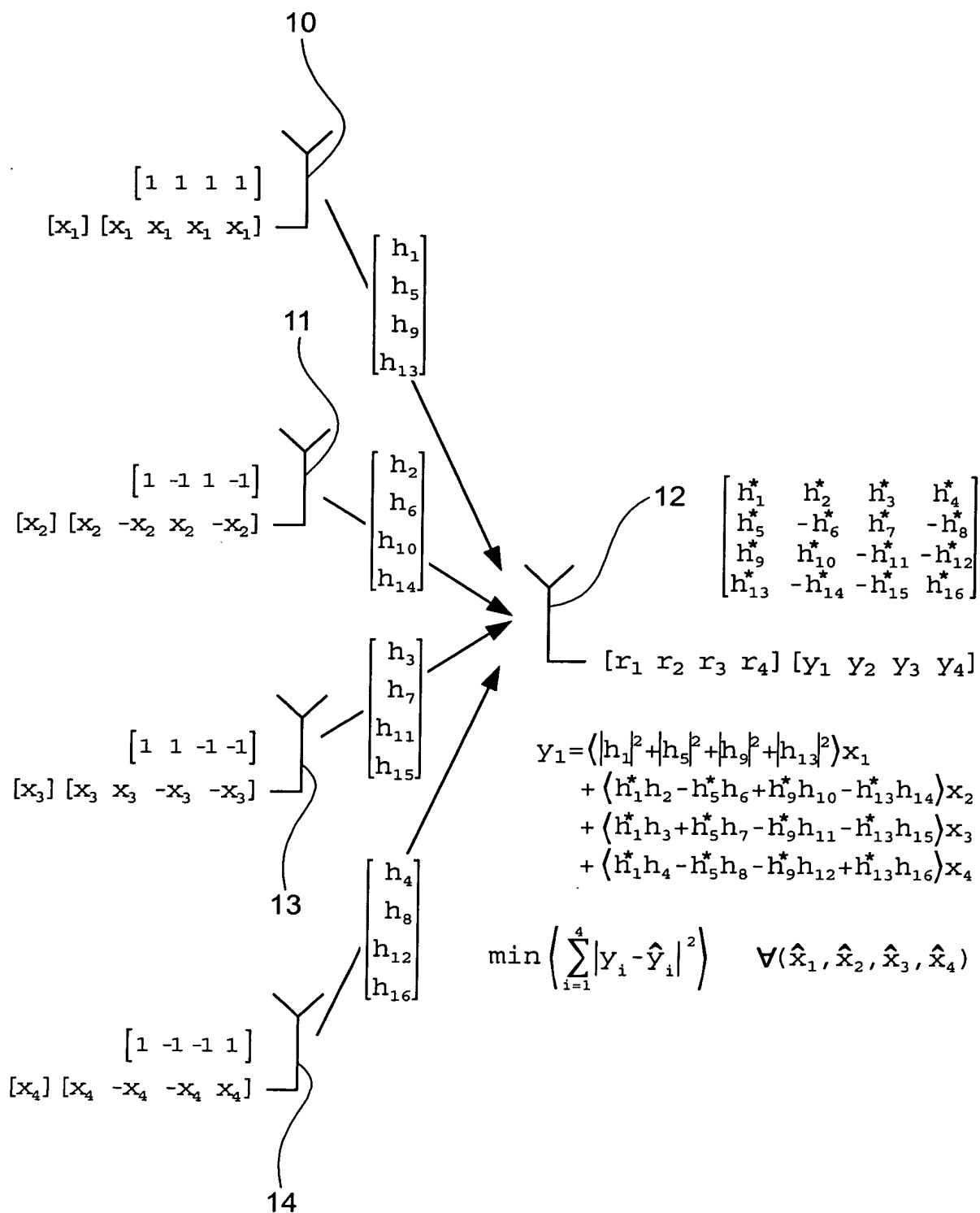
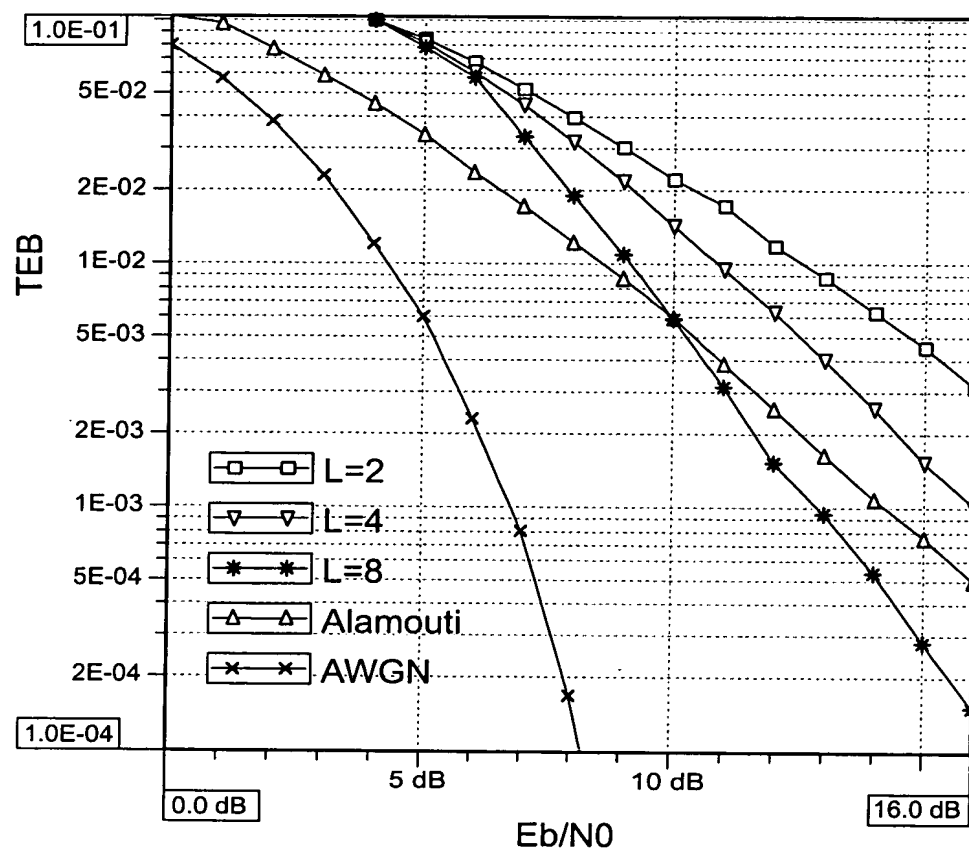
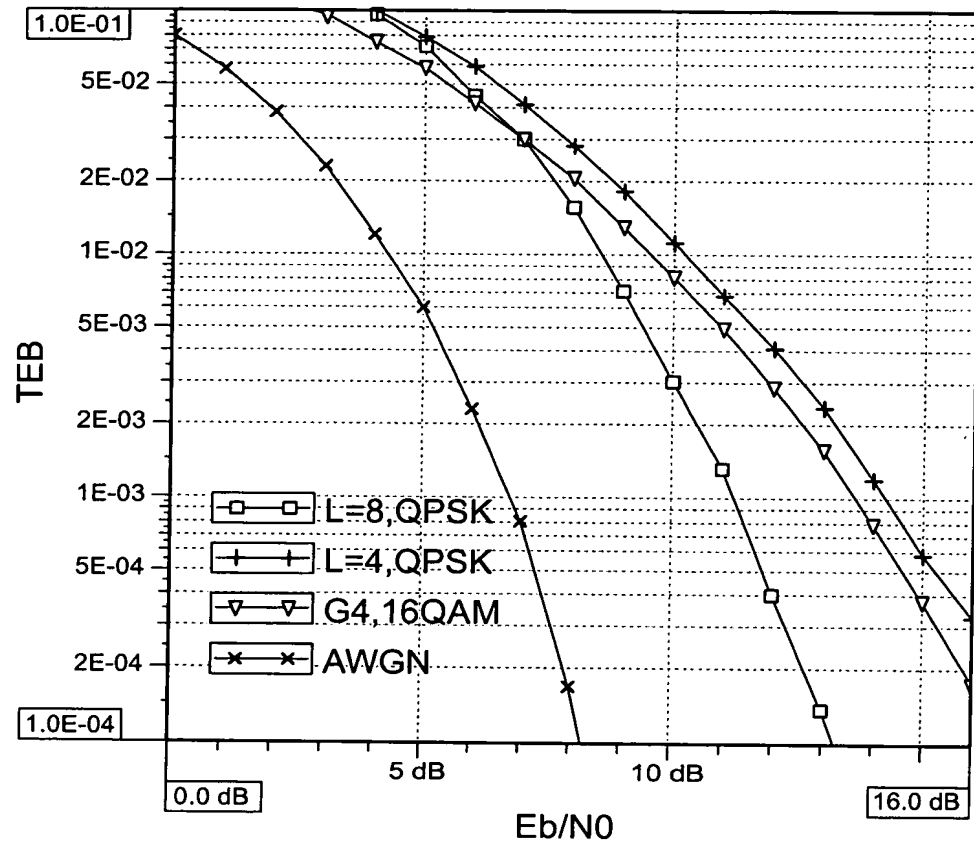


Fig. 4

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Fig. 5

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Fig. 6